In the Specification:

Please amend the following paragraph:

[0035] FIG. 5 shows an embodiment of the present invention, wherein a global reference current generator ~~(GCRG)~~(GRCG) 210 generates a current that is evenly distributed to two local current generators (LCG) 212 through a conductive wire segment configuration 240. Each LCG 212 is coupled to at least one sub-array 214, as shown. A reference current I_{REF} generated by the GRCG 210 flows along conductive wire segment 220 and is distributed into the conductive wire segments 222a and 222b. The sum of the lengths of conductive wire segments 222b and 224b are substantially the same as the sum of the lengths of conductive wire segments 222a and 224a. Furthermore, the lengths of conductive wire segments 222a and 222b are substantially the same, and the lengths of conductive wire segments 224a and 224b are substantially the same. The resistance along a conductive path is directly related to the length of that path; therefore, if the lengths of the wire segments are substantially equal, the resistances of the wire segments are also substantially equal, assuming the characteristics of the conductor are substantially the same. Therefore, since the sum of the resistances in the conductive wires 222b and 224b are substantially the same as the sum of the resistances in the conductive wires 222a and 224a, the reference current I_{REF1} will be substantially the same or equal to the reference current I_{REF2}.

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